

# **Required Credentials for Professional Staff Members in the Instructional Programs of South Carolina's Public Schools**

**Issued by the  
South Carolina Department of Education**

**John Suber, Director  
Office of School Quality**

**Theresa Siskind, Deputy Superintendent  
Division of Curriculum Services and Assessment**

**Jim Rex  
State Superintendent of Education**

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### **NOTICE**

The activity/course codes specified in this document are generated from the coding system that is detailed in the document *South Carolina Department of Education Activity Coding System for SASI*, issued by the Office of School Quality. When course titles change, titles/codes are deactivated, or new titles/codes are created, those changes are indicated in table 3 of this latter document in blue type. Three State Department of Education (SDE) documents that contain course titles and codes—*Activity Coding System for SASI*, *SASI Student Reporting Procedures*, and *Required Credentials for Professional Staff Members in the Instructional Programs of South Carolina’s Public Schools*—will be updated and reissued in the fall of each year. Changes will go into effect the following school year.

Modifications to the acceptable areas of certification and to the mandatory attendant training requirements that appear in this document are reviewed and approved by the SDE.

## Introduction

In order for an educational unit to meet accreditation standards mandated by State Board of Education Regulation 43-300, its professional staff members must hold the appropriate credentials for the positions they occupy. In the context of the present document—which was originally titled “Acceptable Areas of Certification” as an attachment to R 43-130, “Accreditation Standards Filed”—the term *appropriate credentials* encompasses both proper certification and all required attendant training. (A specialized program, such as gifted and talented, may specify in its program regulation particular qualifications for teachers that cannot be addressed in this manual.)

All district-office professional staff members must hold a master’s degree and must be certified in their area of primary responsibility. All teachers must be properly certified. Teachers of credit-bearing courses in grades seven and eight must hold either middle-level or secondary certification in the content area. Beginning in 2006, middle school certified teachers may also teach credit-bearing courses in grades seven and eight if they have passed the middle-level or secondary Praxis II exam in the content area. Teachers of the core academic subjects—English language arts, mathematics, science, foreign languages, civics, government, economics, history, geography, and the arts—must not only be properly certified but must also meet the “highly qualified” teacher requirements of the federal No Child Left Behind Act of 2001 (Pub. L. No. 107-110). Out-of-field permits may be issued for administrators, eligible teachers, library media specialists, and guidance counselors.

What follows in this document is a tabular listing of most district office and school positions along with the required credentials for each of those positions. Regardless of whether a specific position is listed in this document, all professional instructional staff must hold South Carolina educator certificates. If the credential requirement is an area of certification only, then the certification code for that specific area appears in a separate column. If the credential requirement includes attendant training as well as acceptable certification, then the abbreviation NC (“no code”) appears in parentheses in the code column.

All credit-bearing courses are listed in the “Grades 9–12” section of this document. To assist districts in identifying those teaching positions for which the credential requirements include training beyond acceptable certification, instructional activity codes (course codes) are provided. Credit-bearing courses carry the same activity codes if they are taught in grades seven and eight. This document makes no recommendations with regard to course sequencing.

A credit-bearing course that is not listed in the “Grades 9–12” section of this document is either a locally designed elective course approved by the local board of trustees or a locally designed subject-area course approved by the SDE. The required credentials for teachers of locally designed elective courses are determined by the local board of trustees. All teachers of locally designed subject-area courses must be “highly qualified” in the subject area of the particular course they are teaching.

Certificates marked with an asterisk have been discontinued by the SDE. Teachers holding these certificates with current effective dates can continue to serve or teach in the positions as listed. Beginning the 2008–09 school year, the certificates that are marked here with a double dagger (§) will not be acceptable for the positions identified.

# District Professional Staff

## DISTRICT ADMINISTRATORS

REQUIRED CREDENTIALS: MASTER'S DEGREE <i>and</i> CERTIFICATION IN THE AREA OF PRIMARY RESPONSIBILITY		
Position	Certif. Code	Acceptable Certification
Area/County/District Superintendent	70	Superintendent
Deputy/Assistant/Associate Superintendent Director of Instruction	71 73 72 74 70	Elementary Principal Elementary Supervisor Secondary Principal Secondary Supervisor Superintendent
Director, Career and Technology Education	72 74 76	Secondary Principal Secondary Supervisor Vocational Center Director
Director, Child Development Director, Early Childhood Education	(NC)	85 Early Childhood <i>plus</i> one of the following: 71 Elementary Principal 73 Elementary Supervisor 70 Superintendent
Director, Special Education	71 73 90 84 78 72 74 70	Elementary Principal Elementary Supervisor Guidance—Secondary Advanced* School Psychologist II School Psychologist III Secondary Principal Secondary Supervisor Superintendent
Supervisor, Adult Education	71 73 72 74 70	Elementary Principal Elementary Supervisor Secondary Principal Secondary Supervisor Superintendent
Supervisor, Elementary Education	71 73 70	Elementary Principal Elementary Supervisor Superintendent
Supervisor, Secondary Education	72 74 70	Secondary Principal Secondary Supervisor Superintendent

\* = No longer issued

**CONSULTANTS AND COORDINATORS**

<b>REQUIRED CREDENTIALS: MASTER'S DEGREE <i>and</i> CERTIFICATION IN THE AREA OF PRIMARY RESPONSIBILITY</b>		
<b>Program</b>	<b>Certif. Code</b>	<b>Acceptable Certification</b>
Agriculture	30	Agriculture
Business, Marketing, and Computer Technology Education	43 44 48 4B 47 40 46 32 45 41 42	Accounting* Accounting and Related Business* Accounting and Related Economics* Business and Marketing Technology Business Education* Commerce* Data/Information Processing* Distributive Education* Secretarial Science* Shorthand* Typing*
Driver Education	63	Driver Training
Early Childhood	85	Early Childhood
Educational Evaluator	87 69 84 78	Educational Evaluator* School Psychologist I School Psychologist II School Psychologist III
Elementary	01	Elementary
Engineering/Industrial Technology Education	36 29	Industrial Arts* Industrial Technology Education
English Language Arts	01 04 1E 1A 83 81 82 80	Elementary English Middle-Level Language Arts Middle School Language Arts* Reading Clinician Reading Consultant Reading Coordinator or Director Reading Teacher
Foreign Languages	05 08 5B 06 09 07	French German Japanese Latin Russian Spanish
Guidance	88 86 89 90	Associate Guidance—Secondary* Guidance—Elementary Guidance—Secondary Guidance—Secondary Advanced*
Health, Safety, Physical Education	64 65 67	Health Health and Physical Education* Physical Education
Health Science Technology	AC	Health Science Technology

\* = No longer issued

**CONSULTANTS AND COORDINATORS**

<b>REQUIRED CREDENTIALS: MASTER'S DEGREE <i>and</i> CERTIFICATION IN THE AREA OF PRIMARY RESPONSIBILITY</b>		
<b>Program</b>	<b>Certif. Code</b>	<b>Acceptable Certification</b>
Mathematics	11 10 1F 1B	General Mathematics* Mathematics Middle-Level Mathematics Middle School Mathematics*
Media Services	60 59	Media Specialist Media Supervisor
Psychology (Psychologist)	69 84 78	School Psychologist I School Psychologist II School Psychologist III
Science	14 15 17 13 1G 1C 16 12	Biology Chemistry Earth Science* General Science* Middle-Level Science Middle School Science* Physics Science
Social Studies	23 24 25 21 1H 1D 26 20 27	Economics Geography Government History Middle-Level Social Studies Middle School Social Studies* Psychology Social Studies Sociology
Special Education	69 84 78 2A 2D 2E 02 2G 2H 2I 2F 2J 2C 2B 03	School Psychologist I School Psychologist II School Psychologist III Special Education—Educable Mentally Disabled* Special Education—Deaf and Hard of Hearing Special Education—Emotional Disabilities Special Education—Generic Special Education* Special Education—Learning Disabilities Special Education—Mental Disabilities Special Education—Multicategorical Special Education—Orthopedically Impaired* Special Education—Severe Disabilities Special Education—Trainable Mentally Disabled* Special Education—Visual Impairment Speech-Language Therapist

**CONSULTANTS AND COORDINATORS**

<b>REQUIRED CREDENTIALS: MASTER'S DEGREE <i>and</i> CERTIFICATION IN THE AREA OF PRIMARY RESPONSIBILITY</b>		
<b>Program</b>	<b>Certif. Code</b>	<b>Acceptable Certification</b>
Visual and Performing Arts	49	Advanced Fine Arts
	50	Art
	58	Dance
	51	Music Education—Choral
	54	Music Education—Instrumental
	52	Music Education—Piano
	56	Music Education—Violin
	53	Music Education—Voice
	57	Speech and Drama*
	5C	Theater

\* = No longer issued

**SCHOOL ADMINISTRATORS AND PROFESSIONAL SUPPORT STAFF**

<b>REQUIRED CREDENTIALS: MASTER'S DEGREE <i>and</i> CERTIFICATION IN THE AREA OF PRIMARY RESPONSIBILITY</b>		
<b>Position</b>	<b>Certif. Code</b>	<b>Acceptable Certification</b>
<b>Kindergarten–Grade 6</b>		
Principal Assistant Principal Curriculum Coordinator	71 73	Elementary Principal Elementary Supervisor
Guidance Counselor	86	Guidance—Elementary
Library Media Specialist, full-time	60	Media Specialist
Library Media Specialist, part-time	60 61	Media Specialist Teacher-Librarian*
<b>Grades 7–8</b>		
Principal Assistant Principal Curriculum Coordinator	71 73 72 74	Elementary Principal Elementary Supervisor Secondary Principal Secondary Supervisor
Guidance Counselor	88 86 89 90	Associate Guidance—Secondary* Guidance—Elementary Guidance—Secondary Guidance—Secondary Advanced*
Library Media Specialist	60	Media Specialist
<b>Grades 9–12</b>		
Principal Assistant Principal Curriculum Coordinator	72 74	Secondary Principal Secondary Supervisor
Director, Career and Technology Education Assistant Director, Career and Technology Education	72 74 76	Secondary Principal Secondary Supervisor Vocational Center Director
Guidance Counselor	88 89 90	Associate Guidance—Secondary* Guidance—Secondary Guidance—Secondary Advanced*
Library Media Specialist	60	Media Specialist

\* = No longer issued



# Teachers

## SPECIAL EDUCATION

### REQUIRED CREDENTIAL: ACCEPTABLE CERTIFICATION

Note: Beginning the 2006–07 school year, teachers of core academic subjects must meet No Child Left Behind requirements.

Acceptable certification for a teacher of a *self-contained* special education class is determined by the area of disability in which all of the teacher's students are classified. Acceptable certification for a *resource or itinerant* special education teacher is determined by the area of disability in which the majority of the teacher's students (i.e., caseload) are classified.

Prekindergarten—Grade 12 Program	Certif. Code	Acceptable Certification
Preschool with Disability	85 2D 2A 2E 02 2G 2H 2I 2F 2J 2C 2B 03	Early Childhood Special Education—Deaf and Hard of Hearing Special Education—Educable Mentally Disabled* Special Education—Emotional Disabilities Special Education—Generic Special Education* Special Education—Learning Disabilities Special Education—Mental Disabilities Special Education—Multicategorical Special Education—Orthopedically Impaired* Special Education—Severe Disabilities Special Education—Trainable Mentally Disabled* Special Education—Visual Impairment Speech-Language Therapist
Educable Mentally Disabled	2A 02 2H 2I	Special Education—Educable Mentally Disabled* Special Education—Generic Special Education* Special Education—Mental Disabilities Special Education—Multicategorical
Education of the Deaf and Hard of Hearing	2D	Special Education—Deaf and Hard of Hearing
Emotionally Disabled	2E 02 2I	Special Education—Emotional Disabilities Special Education—Generic Special Education* (resource and itinerant <i>only</i> ) Special Education—Multicategorical
Specifically Learning Disabled	02 2G 2I	Special Education—Generic Special Education* Special Education—Learning Disabilities Special Education—Multicategorical
Orthopedically Impaired	2F 2J	Special Education—Orthopedically Impaired* Special Education—Severe Disabilities
Profoundly Mentally Disabled	2H 2F 2J 2C	Special Education—Mental Disabilities Special Education—Orthopedically Impaired* Special Education—Severe Disabilities Special Education—Trainable Mentally Disabled*
Speech-Language Impaired	03	Speech-Language Therapist
Trainable Mentally Disabled	2H 2I 2J 2C	Special Education—Mental Disabilities Special Education—Multicategorical Special Education—Severe Disabilities Special Education—Trainable Mentally Disabled*
Visually Impaired	2B	Special Education—Visual Impairment

\* = No longer issued

**PREKINDERGARTEN–GRADE 6****REQUIRED CREDENTIAL: ACCEPTABLE CERTIFICATION *and*  
ALL MANDATORY ATTENDANT TRAINING**

Note: Beginning the 2006–07 school year, teachers of core academic subjects must meet No Child Left Behind requirements.

<b>Program Area</b>	<b>Certif. Code</b>	<b>Acceptable Certification and Mandatory Attendant Training</b>
<b>Prekindergarten–Grade 3</b>		
Prekindergarten	85	Early Childhood
Self-Contained/Departmentalized	85 01	Early Childhood Elementary [acceptable for grade 1 until 09/01/2006]
<b>Grades 2–4</b>		
Self-Contained/Departmentalized	85 01	Early Childhood [acceptable for grade 4 until 09/01/2006] Elementary
<b>Grades 5–6</b>		
Self-Contained	01	Elementary
Departmentalized		
English Language Arts	01 04 1E 1A 83 81 82 80	Elementary English‡ Middle-Level Language Arts Middle School Language Arts* Reading Clinician Reading Consultant Reading Coordinator or Director Reading Teacher
Mathematics	01 11 10 1F 1B	Elementary General Mathematics‡* Mathematics‡ Middle-Level Mathematics Middle School Mathematics*
Science	14 15 17 01 13 1G 1C 16 12	Biology‡ Chemistry‡ Earth Science‡* Elementary General Science‡* Middle-Level Science Middle School Science* Physics‡ Science‡
Social Studies	23 01 24 25 21 1H 1D 20	Economics‡ Elementary Geography‡ Government ‡ History‡ Middle-Level Social Studies Middle School Social Studies* Social Studies‡

‡ = Not acceptable after October 1, 2008

\* = No longer issued

**PREKINDERGARTEN–GRADE 6****REQUIRED CREDENTIAL: ACCEPTABLE CERTIFICATION *and*  
ALL MANDATORY ATTENDANT TRAINING**

Note: Beginning the 2006–07 school year, teachers of core academic subjects must meet No Child Left Behind requirements.

Program Area	Certif. Code	Acceptable Certification and Mandatory Attendant Training
<b>Special Areas, Kindergarten–Grade 6</b>		
English for Speakers of Other Languages (ESOL)	(NC)	5A English for Speakers of Other Languages <i>plus</i> certification in any teaching area (elementary, middle, or secondary)
Foreign Languages		
French	05	French
German	08	German
Japanese	5B	Japanese
Latin	06	Latin
Russian	09	Russian
Spanish	07	Spanish
Health	14 01 13 64 65 66 1G 1C 67 12	Biology‡ Elementary General Science* Health Health and Physical Education* Health and Physical Education, Part-Time* Middle-Level Science Middle School Science* Physical Education Science‡
Physical Education	65 66 67	Health and Physical Education* Health and Physical Education, Part-Time* Physical Education
Visual and Performing Arts		
Art	49 50	Advanced Fine Arts Art
Dance	49 58	Advanced Fine Arts Dance
Drama	49 04 57 5C	Advanced Fine Arts English Speech and Drama* Theater
Music	49 51 54 52 56 53	Advanced Fine Arts Music Education—Choral Music Education—Instrumental Music Education—Piano Music Education—Violin Music Education—Voice

‡ = Not acceptable after October 1, 2008

\* = No longer issued

**PREKINDERGARTEN–GRADE 6****REQUIRED CREDENTIAL: ACCEPTABLE CERTIFICATION *and*  
ALL MANDATORY ATTENDANT TRAINING**

Note: Beginning the 2006–07 school year, teachers of core academic subjects must meet No Child Left Behind requirements.

<b>Program Area</b>	<b>Certif. Code</b>	<b>Acceptable Certification and Mandatory Attendant Training</b>
<b>Special Areas, Grade 6</b>		
Career Clusters, Introduction to	(NC)	Middle-level certification or any CATE certification <i>plus</i> training and/or mentoring approved by the Office of Career and Technology Education
Industrial Technology Education	36 29	Industrial Arts* Industrial Technology Education
Personal Skills, Introduction to	35	Family and Consumer Science (Home Economics)

‡ = Not acceptable after October 1, 2008

\* = No longer issued

**GRADES 7–8****REQUIRED CREDENTIAL: ACCEPTABLE CERTIFICATION *and*  
ALL MANDATORY ATTENDANT TRAINING**

Note: Beginning the 2006–07 school year, teachers of core academic subjects must meet No Child Left Behind requirements.

Teachers of credit-bearing courses in grades seven and eight must either hold middle-level or secondary certification in the content area or hold middle school certification and have passed the middle-level or secondary Praxis II exam in the content area.

<b>Subject Area</b>	<b>Certif. Code</b>	<b>Acceptable Certification and Mandatory Attendant Training</b>
<b>Fine Arts</b>		
Art	49 50	Advanced Fine Arts Art
Dance	49 58	Advanced Fine Arts Dance
Drama	49 04 57 5C	Advanced Fine Arts English Speech and Drama* Theater
Music	49 51 54 52 56 53	Advanced Fine Arts Music Education—Choral Music Education—Instrumental Music Education—Piano Music Education—Violin Music Education—Voice
<b>Health, Physical Education</b>		
Health	14 01 13 64 65 66 1G 1C 67 12	Biology‡ Elementary‡ General Science* Health Health and Physical Education* Health and Physical Education, Part-Time* Middle-Level Science Middle School Science* Physical Education Science‡
Physical Education	65 66 67	Health and Physical Education* Health and Physical Education, Part-Time* Physical Education
<b>Language Arts</b>		
English Language Arts	01 04 1E 1A 83 81 82 80	Elementary‡ English‡ Middle-Level Language Arts Middle School Language Arts* Reading Clinician‡ Reading Consultant‡ Reading Coordinator or Director‡ Reading Teacher‡

‡ = Not acceptable after October 1, 2008

\* = No longer issued

**GRADES 7–8****REQUIRED CREDENTIAL: ACCEPTABLE CERTIFICATION *and*  
ALL MANDATORY ATTENDANT TRAINING**

Note: Beginning the 2006–07 school year, teachers of core academic subjects must meet No Child Left Behind requirements.

Teachers of credit-bearing courses in grades seven and eight must either hold middle-level or secondary certification in the content area or hold middle school certification and have passed the middle-level or secondary Praxis II exam in the content area.

Subject Area	Certif. Code	Acceptable Certification and Mandatory Attendant Training
<b>Mathematics</b>		
Mathematics	01 11 10 1F 1B	Elementary‡ General Mathematics‡* Mathematics‡ Middle-Level Mathematics Middle School Mathematics*
<b>Science</b>		
Science	14 15 17 01 13 1G 1C 16 12	Biology‡ Chemistry‡ Earth Science‡* Elementary‡ General Science‡* Middle-Level Science Middle School Science* Physics‡ Science‡
<b>Social Studies</b>		
Social Studies South Carolina Studies	23 01 24 25 21 1H 1D 20	Economics‡ Elementary‡ Geography‡ Government ‡ History‡ Middle-Level Social Studies Middle School Social Studies* Social Studies‡
<b>Special Areas</b>		
English for Speakers of Other Languages (ESOL)	(NC)	5A English for Speakers of Other Languages <i>plus</i> certification in any teaching area (elementary, middle, or secondary)
Foreign Languages		
French	05	French
German	08	German
Japanese	5B	Japanese
Latin	06	Latin
Russian	09	Russian
Spanish	07	Spanish

‡ = Not acceptable after October 1, 2008

\* = No longer issued

**GRADES 7–8****REQUIRED CREDENTIAL: ACCEPTABLE CERTIFICATION *and*  
ALL MANDATORY ATTENDANT TRAINING**

Note: Beginning the 2006–07 school year, teachers of core academic subjects must meet No Child Left Behind requirements.

Teachers of credit-bearing courses in grades seven and eight must either hold middle-level or secondary certification in the content area or hold middle school certification and have passed the middle-level or secondary Praxis II exam in the content area.

Subject Area	Certif. Code	Acceptable Certification and Mandatory Attendant Training
<b>Special Areas, Exploratory Programs</b>		
Agriculture, Introduction to	30	Agriculture
Career Clusters, Introduction to	(NC)	Middle-level certification, either Career Development Facilitator (CDF) or Global Career Development Facilitator (GCDF) certification, or any CATE certification <i>plus</i> training and/or mentoring approved by the Office of Career and Technology Education
Gateway to Technology	(NC)	Baccalaureate and certification in any area <i>plus</i> Project Lead the Way certification
Industrial Technology Education	36 29	Industrial Arts* Industrial Technology Education
Personal Skills	35	Family and Consumer Science (Home Economics)

‡ = Not acceptable after October 1, 2008

\* = No longer issued

**GRADES 9–12****REQUIRED CREDENTIALS: ACCEPTABLE CERTIFICATION *and*  
ALL MANDATORY ATTENDANT TRAINING**

Note: Beginning the 2006–07 school year, teachers of core academic subjects must meet No Child Left Behind requirements.

Activity Code	Course Title	Certif. Code	Acceptable Certification and Mandatory Attendant Training
<b>Computer Science</b>			
4771 4772	AP Computer Science A AP Computer Science AB	(NC)	43 Accounting* 44 Accounting and Related Business* 48 Accounting and Related Economics* 47 Business Education* 40 Commerce* 46 Data/Information Processing* 10 Mathematics 45 Secretarial Science* 41 Shorthand* 42 Typing* <i>plus</i> AP endorsement in the particular course
4701	Computer, Introduction to the	43 44 48 47 4B 40 46 10 45 41 42 (NC)	Accounting* Accounting and Related Business* Accounting and Related Economics* Business Education* Business and Marketing Technology Commerce* Data/Information Processing* Mathematics Secretarial Science* Shorthand* Typing* <i>or</i> Certification in any area <i>plus</i> 12 credit hours in technology applications and/or technology integration
473A	Information Technology in a Global Society	(NC)	Certification in any secondary-level subject area <i>plus</i> IB training in the specific subject
<b>Driver Training</b>			
3701	Driver Education	63	Driver Training
<b>English Language Arts</b>			
3030	Advanced Composition	04	English
3070 3071	AP English Language and Composition AP English Literature and Composition	(NC)	04 English <i>plus</i> AP endorsement in the particular course
3021 3022	Communication for the Workplace 3 Communication for the Workplace 4	(NC)	04 English <i>plus</i> Tech Prep training in the subject area
3032 3011 3012 3013 3014	Creative Writing English 1 English 2 English 3 English 4	04	English

\* = No longer issued



**GRADES 9–12****REQUIRED CREDENTIALS: ACCEPTABLE CERTIFICATION *and*  
ALL MANDATORY ATTENDANT TRAINING**

Note: Beginning the 2006–07 school year, teachers of core academic subjects must meet No Child Left Behind requirements.

<b>Activity Code</b>	<b>Course Title</b>	<b>Certif. Code</b>	<b>Acceptable Certification and Mandatory Attendant Training</b>
301A 301B 301C 301D 301E 301F	English A1 SL English A1 HL-1 English A1 HL-2 English A2 SL English A2 HL-1 English A2 HL-2	(NC)	04 English <i>plus</i> IB training in the specific subject
3050 3051	Journalism 1 Journalism 2	04	English
3040	Speech	04 57	English Speech and Drama*
3060	Vocabulary	04	English
<b>Foreign Languages</b>			
3671 3672	AP French Language AP French Literature	(NC)	05 French <i>plus</i> AP endorsement in the particular course
3673	AP German Language	(NC)	08 German <i>plus</i> AP endorsement in the particular course
3677 3674	AP Latin—Literature AP Latin—Vergil	(NC)	06 Latin <i>plus</i> AP endorsement in the particular course
3675 3676	AP Spanish Language AP Spanish Literature	(NC)	07 Spanish <i>plus</i> AP endorsement in the particular course
461A 461B 461C	Chinese A1 SL Chinese A1 HL-1 Chinese A1 HL-2	(NC)	Certification in a foreign language area <i>plus</i> IB training in the specific subject
3611 3612 3613 3614 3615	French 1 French 2 French 3 French 4 French 5	05	French
361A 361B 361C 361D 361E 361F 361G 361H 361I	French A1 SL French A1 HL-1 French A1 HL-2 French A2 HL-1 French A2 HL-2 French Ab initio SL French B SL French B HL-1 French B HL-2	(NC)	05 French <i>plus</i> IB training in the specific subject
3621 3622 3623 3624 3625	German 1 German 2 German 3 German 4 German 5	08	German

\* = No longer issued

**GRADES 9–12****REQUIRED CREDENTIALS: ACCEPTABLE CERTIFICATION *and*  
ALL MANDATORY ATTENDANT TRAINING**

Note: Beginning the 2006–07 school year, teachers of core academic subjects must meet No Child Left Behind requirements.

<b>Activity Code</b>	<b>Course Title</b>	<b>Certif. Code</b>	<b>Acceptable Certification and Mandatory Attendant Training</b>
362A 362B 362C 362D 362E 362F 362G 362H 362I	German A1 SL German A1 HL-1 German A1 HL-2 German A2 HL-1 German A2 HL-2 German Ab initio SL German B SL German B HL-1 German B HL-2	(NC)	08 German <i>plus</i> IB training in the specific subject
3661 3662 3663 3664 3667	Japanese 1 Japanese 2 Japanese 3 Japanese 4 Japanese 5	5B	Japanese
366A 366B 366C 366D 366E 366F 366G 366H 366I	Japanese A1 SL Japanese A1 HL-1 Japanese A1 HL-2 Japanese A2 HL-1 Japanese A2 HL-2 Japanese Ab initio SL Japanese B SL Japanese B HL-1 Japanese B HL-2	(NC)	5B Japanese <i>plus</i> IB training in the specific subject
3631 3632 3633 3634 3636	Latin 1 Latin 2 Latin 3 Latin 4 Latin 5	06	Latin
363A 363B 363C	Latin SL Latin HL-1 Latin HL-2	(NC)	06 Latin <i>plus</i> IB training in the specific subject
365A 365B 365C 365D 365E 365F 365G 365H 365I	Spanish A1 SL Spanish A1 HL-1 Spanish A1 HL-2 Spanish A2 HL-1 Spanish A2 HL-2 Spanish Ab initio SL Spanish B SL Spanish B HL-1 Spanish B HL-2	(NC)	07 Spanish <i>plus</i> IB training in the specific subject
3641 3642 3643 3644 3647	Russian 1 Russian 2 Russian 3 Russian 4 Russian 5	09	Russian

\* = No longer issued

**GRADES 9–12****REQUIRED CREDENTIALS: ACCEPTABLE CERTIFICATION *and*  
ALL MANDATORY ATTENDANT TRAINING**

Note: Beginning the 2006–07 school year, teachers of core academic subjects must meet No Child Left Behind requirements.

<b>Activity Code</b>	<b>Course Title</b>	<b>Certif. Code</b>	<b>Acceptable Certification and Mandatory Attendant Training</b>
3651 3652 3653 3654 3655	Spanish 1 Spanish 2 Spanish 3 Spanish 4 Spanish 5	07	Spanish
<b>Health and Physical Education</b>			
3445	Adaptive Physical Education	65 66 67	Health and Physical Education* Health and Physical Education, Part-Time* Physical Education
3401	Family and Community Health	13 64 65 66 67 12	General Science* Health Health and Physical Education* Health and Physical Education, Part-Time* Physical Education Science
3403	Human Growth and Development	14 35 64 65 66 67	Biology Family and Consumer Science (Home Economics) Health Health and Physical Education* Health and Physical Education, Part-Time* Physical Education
3402	Personal Health and Wellness	13 64 65 66 67 12	General Science* Health Health and Physical Education* Health and Physical Education, Part-Time* Physical Education Science
3441 3442 3443 3444	Physical Education 1 Physical Education 2 Physical Education 3 Physical Education 4	65 66 67	Health and Physical Education* Health and Physical Education, Part-Time* Physical Education
<b>Junior ROTC</b>			
3751 3752 3753 3754	Junior ROTC 1 Junior ROTC 2 Junior ROTC 3 Junior ROTC 4	(NC)	Endorsement by service branch (state teacher certification <i>not</i> required)
<b>Mathematics</b>			
4111 4112 4113	Algebra 1 Algebra 2 Algebra 3	10	Mathematics

\* = No longer issued

**GRADES 9–12****REQUIRED CREDENTIALS: ACCEPTABLE CERTIFICATION *and*  
ALL MANDATORY ATTENDANT TRAINING**

Note: Beginning the 2006–07 school year, teachers of core academic subjects must meet No Child Left Behind requirements.

<b>Activity Code</b>	<b>Course Title</b>	<b>Certif. Code</b>	<b>Acceptable Certification and Mandatory Attendant Training</b>
4170 4172 4171	AP Calculus AB AP Calculus BC AP Statistics	(NC)	10 Mathematics <i>plus</i> AP endorsement in the particular course
4135 4142	Calculus Discrete Mathematics	10	Mathematics
311C	Further Mathematics SL	(NC)	10 Mathematics <i>plus</i> IB training in the specific subject
4121	Geometry	10	Mathematics
311A 311B 311D 311E	Mathematical Methods SL Mathematical Studies SL Mathematics HL-1 Mathematics HL-2	(NC)	10 Mathematics <i>plus</i> IB training in the specific subject
3141 3142 3143 3144	Mathematics for the Technologies 1 Mathematics for the Technologies 2 Mathematics for the Technologies 3 Mathematics for the Technologies 4	(NC)	10 Mathematics <i>plus</i> Tech Prep training in the subject area
4141 4131	Probability and Statistics Precalculus	10	Mathematics
<b>Natural Sciences</b>			
3263	Anatomy and Physiology	14 12	Biology Science
3272	AP Biology	(NC)	14 Biology 12 Science <i>plus</i> AP endorsement in the particular course
3273	AP Chemistry	(NC)	15 Chemistry 12 Science <i>plus</i> AP endorsement in the particular course
3277	AP Environmental Science	(NC)	30 Agriculture 14 Biology 37 Environmental Science and Natural Resources 13 General Science* 12 Science <i>plus</i> AP endorsement in the particular course
3274 3276 3275	AP Physics B AP Physics C: Electricity and Magnetism AP Physics C: Mechanics	(NC)	16 Physics 12 Science <i>plus</i> AP endorsement in the particular course
3226 3227	Applied Biology 1 Applied Biology 2	(NC)	14 Biology 15 Chemistry 12 Science <i>plus</i> Tech Prep training in the subject area

\* = No longer issued

**GRADES 9–12****REQUIRED CREDENTIALS: ACCEPTABLE CERTIFICATION *and*  
ALL MANDATORY ATTENDANT TRAINING**

Note: Beginning the 2006–07 school year, teachers of core academic subjects must meet No Child Left Behind requirements.

<b>Activity Code</b>	<b>Course Title</b>	<b>Certif. Code</b>	<b>Acceptable Certification and Mandatory Attendant Training</b>
3251	Astronomy	17 13 16 12	Earth Science* General Science* Physics Science
3221	Biology 1	14 3A 12	Biology Marine Biology* Science
3222	Biology 2	14 12	Biology Science
322A 322B 322C	Biology SL Biology HL-1 Biology HL-2	(NC)	14 Biology 12 Science <i>plus</i> IB training in the specific subject
3231 3232	Chemistry 1 Chemistry 2	15 12	Chemistry Science
323A 323B 323C	Chemistry SL Chemistry HL-1 Chemistry HL-2	(NC)	15 Chemistry 12 Science <i>plus</i> IB training in the specific subject
3236	Chemistry for the Technologies	(NC)	15 Chemistry 12 Science <i>plus</i> Tech Prep training in the subject area
3265	Earth Science	17 13 12	Earth Science* General Science* Science
3261	Environmental Studies	30 14 37 13 12	Agriculture Biology Environmental Science and Natural Resources General Science* Science
326A	Environmental Systems SL	(NC)	37 Environmental Science and Natural Resources 12 Science <i>plus</i> IB training in the specific subject
3210	Integrated Science	14 15 13 16 12	Biology Chemistry General Science* Physics Science
3225	Marine Science	14 3A 12	Biology Marine Biology* Science

\* = No longer issued

**GRADES 9–12****REQUIRED CREDENTIALS: ACCEPTABLE CERTIFICATION *and*  
ALL MANDATORY ATTENDANT TRAINING**

Note: Beginning the 2006–07 school year, teachers of core academic subjects must meet No Child Left Behind requirements.

<b>Activity Code</b>	<b>Course Title</b>	<b>Certif. Code</b>	<b>Acceptable Certification and Mandatory Attendant Training</b>
3211	Physical Science	15 13 16 12	Chemistry General Science* Physics Science
3241	Physics	16 12	Physics Science
324A 324B 324C	Physics SL Physics HL-1 Physics HL-2	(NC)	16 Physics 12 Science <i>plus</i> IB training in the specific subject
3243 3244	Physics for the Technologies 1 Physics for the Technologies 2	(NC)	16 Physics 12 Science <i>plus</i> Tech Prep training in the subject area
<b>Social Studies</b>			
3378	AP Comparative Government	(NC)	25 Government 20 Social Studies <i>plus</i> AP endorsement in the particular course
3376	AP European History	(NC)	21 History 20 Social Studies <i>plus</i> AP endorsement in the particular course
3379	AP Human Geography	(NC)	24 Geography 21 History 20 Social Studies <i>plus</i> AP endorsement in the particular course
3374 3375	AP Macroeconomics AP Microeconomics	(NC)	23 Economics 20 Social Studies <i>plus</i> AP endorsement in the particular course
4371	AP Psychology	(NC)	26 Psychology 20 Social Studies <i>plus</i> AP endorsement in the particular course
3373	AP U.S. Government	(NC)	25 Government 20 Social Studies <i>plus</i> AP endorsement in the particular course
3372 3377	AP U.S. History AP World History	(NC)	21 History 20 Social Studies <i>plus</i> AP endorsement in the particular course
3335 3337	Civics Current Events/Foreign Policy	25 21 20	Government History Social Studies
3350	Economics	23 20	Economics Social Studies
335A	Economics SL	(NC)	23 Economics

\* = No longer issued

**GRADES 9–12****REQUIRED CREDENTIALS: ACCEPTABLE CERTIFICATION *and*  
ALL MANDATORY ATTENDANT TRAINING**

Note: Beginning the 2006–07 school year, teachers of core academic subjects must meet No Child Left Behind requirements.

<b>Activity Code</b>	<b>Course Title</b>	<b>Certif. Code</b>	<b>Acceptable Certification and Mandatory Attendant Training</b>
335B 335C	Economics HL-1 Economics HL-2		20 Social Studies <i>plus</i> IB training in the specific subject
3349	Environmental Studies	20	Social Studies
331A 331B 331C	Geography SL Geography HL-1 Geography HL-2	(NC)	24 Geography 20 Social Studies <i>plus</i> IB training in the specific subject
3310 3360	Global Studies—World Geography Global Studies—World History	24 21 20	Geography History Social Studies
336A 336B 336C 336D 336E 336F 336G 336H 336I 336J 336K	History: Africa HL-1 History: Africa HL-2 History of Americas HL-1 History of Americas HL-2 History: S Asian and the Middle East HL-1 History: S Asian and the Middle East HL-2 History: E and SE Asia and Oceania HL-1 History: E and SE Asia and Oceania HL-2 History of Europe HL-1 History of Europe HL-2 History SL	(NC)	24 Geography 21 History 20 Social Studies <i>plus</i> IB training in the specific subject
3336	Law Education	25 20	Government Social Studies
338A 338B 338C	Philosophy SL Philosophy HL-1 Philosophy HL-2	(NC)	20 Social Studies <i>plus</i> IB training in the specific subject
3340	Psychology	26 20	Psychology Social Studies
334A 334B 334C	Psychology SL Psychology HL-1 Psychology HL-2	(NC)	26 Psychology 20 Social Studies <i>plus</i> IB training in the specific subject
338D 338E 338F	Social Anthropology SL Social Anthropology HL-1 Social Anthropology HL-2	(NC)	20 Social Studies <i>plus</i> IB training in the specific subject
3345	Sociology	20 27	Social Studies Sociology
338G	Theory of Knowledge	(NC)	Certification in any secondary-level subject area <i>plus</i> IB training in the specific subject
3330	U.S. Government	25 20	Government Social Studies
3320	U.S. History and Constitution	21 20	History Social Studies
3365	Western Civilization	24	Geography

\* = No longer issued

**GRADES 9–12****REQUIRED CREDENTIALS: ACCEPTABLE CERTIFICATION *and*  
ALL MANDATORY ATTENDANT TRAINING**

Note: Beginning the 2006–07 school year, teachers of core academic subjects must meet No Child Left Behind requirements.

Activity Code	Course Title	Certif. Code	Acceptable Certification and Mandatory Attendant Training
		21 20	History Social Studies
<b>Visual and Performing Arts</b>			
3571 3575 3574 3572	AP Art History AP Studio Art: Three-Dimensional Design AP Studio Art: Two-Dimensional Design AP Studio Art: Drawing	(NC)	49 Advanced Fine Arts 50 Art <i>plus</i> AP endorsement in the particular course
3576	AP Music Theory	(NC)	49 Advanced Fine Arts 51 Music Education—Choral 54 Music Education—Instrumental 52 Music Education—Piano 56 Music Education—Violin 53 Music Education—Voice <i>plus</i> AP endorsement in the particular course
3501 3502 3503 3504 3511 3512 3513 3514	Art 1 Art 2 Art 3 Art 4 Art Appreciation 1 Art Appreciation 2 Art Appreciation 3 Art Appreciation 4	49 50	Advanced Fine Arts Art
4506	Ballet	49 58	Advanced Fine Arts Dance
3531 3532 3533 3534 3530	Band 1 Band 2 Band 3 Band 4 Band Rehearsal	49 54	Advanced Fine Arts Music Education—Instrumental
3541 3542 3543 3544 3540	Chorus 1 Chorus 2 Chorus 3 Chorus 4 Chorus Rehearsal	49 51 53 54	Advanced Fine Arts Music Education—Choral Music Education—Voice Music Education—Instrumental
4501 4502 4503 4504 4505	Dance 1 Dance 2 Dance 3 Dance 4 Dance (modern)	49 58	Advanced Fine Arts Dance
450A	Dance SL	(NC)	58 Dance <i>plus</i> IB training in the specific subject
4521 4522 4523	Drama 1 Drama 2 Drama 3	49 04 57	Advanced Fine Arts English Speech and Drama*

\* = No longer issued



**GRADES 9–12****REQUIRED CREDENTIALS: ACCEPTABLE CERTIFICATION *and*  
ALL MANDATORY ATTENDANT TRAINING**

Note: Beginning the 2006–07 school year, teachers of core academic subjects must meet No Child Left Behind requirements.

<b>Activity Code</b>	<b>Course Title</b>	<b>Certif. Code</b>	<b>Acceptable Certification and Mandatory Attendant Training</b>
4524	Drama 4	5C	Theater
3551 3552 3553 3554 3550	Instrumental Music: Orchestra—Strings 1 Instrumental Music: Orchestra—Strings 2 Instrumental Music: Orchestra—Strings 3 Instrumental Music: Orchestra—Strings 4 Instrumental Music: Orchestra—Strings Rehearsal	49 54 56	Advanced Fine Arts Music Education—Instrumental Music Education—Violin
356A 356B 356C	Music SL Music HL-1 Music HL-2	(NC)	49 Advanced Fine Arts 51 Music Education—Choral 54 Music Education—Instrumental 52 Music Education—Piano 56 Music Education—Violin 53 Music Education—Voice <i>plus</i> IB training in the specific subject
3561 3562 3563 3564	Music Appreciation 1 Music Appreciation 2 Music Appreciation 3 Music Appreciation 4	49 51 54 52 56 53	Advanced Fine Arts Music Education—Choral Music Education—Instrumental Music Education—Piano Music Education—Violin Music Education—Voice
452A 452B 452C	Theatre Arts SL Theatre Arts HL-1 Theatre Arts HL-2	(NC)	5C Theater <i>plus</i> IB training in the specific subject
351A 351B 351C 351D	Visual Arts A SL Visual Arts B SL Visual Arts HL-1 Visual Arts HL-2	(NC)	49 Advanced Fine Arts 50 Art <i>plus</i> IB training in the specific subject

**CAREER AND TECHNOLOGY EDUCATION**

<b>REQUIRED CREDENTIALS: ACCEPTABLE CERTIFICATION <i>and</i> ALL MANDATORY ATTENDANT TRAINING</b>			
<b>Activity Code</b>	<b>Course Title</b>	<b>Certif. Code</b>	<b>Acceptable Certification and Mandatory Attendant Training</b>
<b>Agriculture, Food, and Natural Resources</b>			
5600 5614 5660 5604 5605	Agribusiness and Marketing Agricultural Crop Production and Management Agricultural Mechanics and Technology Agricultural Mechanics and Technology for the Workplace 1 Agricultural Mechanics and Technology for the Workplace 2	30	Agriculture
5610	Agricultural Power Mechanics	AA 30 31	Agricultural Mechanics Agriculture Agriculture Mechanics
5624	Agricultural Science and Technology	30 37	Agriculture Environmental Science and Natural Resources
5620	Agricultural Science and Technology for the Workplace	30	Agriculture
5611	Agricultural Structural Mechanics	AA 30 31	Agricultural Mechanics Agriculture Agriculture Mechanics
5690	Agriculture, Food, and Natural Resources, work-based credit	AA 30 31 34 37 38 39	Agricultural Mechanics Agriculture Agriculture Mechanics Animal Science Environmental Science and Natural Resources Forestry Horticulture
5663 5603 5608 5609	Aquaculture Animal Science Animal Science for the Workplace 1 Animal Science for the Workplace 2	30	Agriculture
5646	Cattle Production	30 34	Agriculture Animal Science
5628 5629	Environmental and Natural Resources Management for the Workplace 1 Environmental and Natural Resources Management for the Workplace 2	30	Agriculture
5626	Environmental and Natural Resources Management	30 37	Agriculture Environmental Science and Natural Resources
5679	Equine Science	30 34	Agriculture Animal Science
5621	Equipment Operation and Maintenance	30	Agriculture
5647	Farm Animal Production	30 34	Agriculture Animal Science

\* = No longer issued

**CAREER AND TECHNOLOGY EDUCATION**

<b>REQUIRED CREDENTIALS: ACCEPTABLE CERTIFICATION <i>and</i> ALL MANDATORY ATTENDANT TRAINING</b>			
<b>Activity Code</b>	<b>Course Title</b>	<b>Certif. Code</b>	<b>Acceptable Certification and Mandatory Attendant Training</b>
5634	Floriculture	30 39	Agriculture Horticulture
5657	Food Processing	30	Agriculture
5642	Forestry	30 38	Agriculture Forestry
5667	Golf Course Technology	30 39	Agriculture Horticulture
5652 5653	Horticulture for the Workplace 1 Horticulture for the Workplace 2	30	Agriculture
5650 5670 5672	Horticulture, Introduction to Landscape Technology Nursery, Greenhouse, and Garden Center Technology	30 39	Agriculture Horticulture
5602	Outdoor Recreation	30	Agriculture
5612	Small Animal Care	30 34	Agriculture Animal Science
5627	Soil and Water Conservation	30 37	Agriculture Environmental Science and Natural Resources
5655 5654	Sports Turf Management Turf and Lawn Management	30 39	Agriculture Horticulture
5613	Veterinary Science, Introduction to	30 34	Agriculture Animal Science
5674	Wildlife Management	30 39	Agriculture Horticulture
<b>Architecture and Construction</b>			
6003 6004 6005 6006	Air Conditioning and Refrigeration Technology 1 Air Conditioning and Refrigeration Technology 2 Air Conditioning and Refrigeration Technology 3 Air Conditioning and Refrigeration Technology 4	AG	Environmental Control Systems (HVAC)
6690	Architecture and Construction, work-based credit	AL AP AM AV AG BC	Brick Masonry Cabinetmaking Carpentry Electricity Environmental Control Systems (HVAC) Plumbing
6060 6061 6062 6063	Building Construction Cluster 1 Building Construction Cluster 2 Building Construction Cluster 3 Building Construction Cluster 4	AM	Carpentry
6080 6081 6082 6083	Cabinetmaking 1 Cabinetmaking 2 Cabinetmaking 3 Cabinetmaking 4	AP	Cabinetmaking

\* = No longer issued

**CAREER AND TECHNOLOGY EDUCATION**

<b>REQUIRED CREDENTIALS: ACCEPTABLE CERTIFICATION <i>and</i> ALL MANDATORY ATTENDANT TRAINING</b>			
<b>Activity Code</b>	<b>Course Title</b>	<b>Certif. Code</b>	<b>Acceptable Certification and Mandatory Attendant Training</b>
6091 6092 6093 6094	Carpentry 1 Carpentry 2 Carpentry 3 Carpentry 4	AM	Carpentry
6001	Construction, Introduction to	AL AP AM AV AG 29 BC	Brick Masonry Cabinetmaking Carpentry Electricity Environmental Control Systems (HVAC) Industrial Technology Education Plumbing
6287 6288 6289 6290	Electricity 1 Electricity 2 Electricity 3 Electricity 4	AV	Electricity
6250 6251 6252 6253	Masonry 1 Masonry 2 Masonry 3 Masonry 4	AL	Brick Masonry
6280 6281 6282 6283	Plumbing 1 Plumbing 2 Plumbing 3 Plumbing 4	BC	Plumbing
<b>Arts, Audio-Video Technology, and Communications</b>			
6120 6121 6122 6123	Advertising Design 1 Advertising Design 2 Advertising Design 3 Advertising Design 4	BN AX	Commercial Art Graphic Communication
6170 6171	Architectural Design 1 Architectural Design 2	AU	Drafting
5290	Arts, Audio-Video Technology, and Communications, work-based credit	BN AU AX	Commercial Art Drafting Graphic Communication
6200 6201 6202 6203	Graphic Communication 1 Graphic Communication 2 Graphic Communication 3 Graphic Communication 4	AX	Graphic Communication
5205	Graphic Communication, Introduction to	BN AU AX 29	Commercial Art Drafting Graphic Communication Industrial Technology Education
6172 6173	Mechanical Design 1 Mechanical Design 2	AU	Drafting

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## CAREER AND TECHNOLOGY EDUCATION

REQUIRED CREDENTIALS: ACCEPTABLE CERTIFICATION <i>and</i> ALL MANDATORY ATTENDANT TRAINING			
Activity Code	Course Title	Certif. Code	Acceptable Certification and Mandatory Attendant Training
<b>Business, Management, and Administration</b>			
5001	Accounting 1	43	Accounting*
5005	Accounting 2	44	Accounting and Related Business*
5122	Administrative Support Technology	48	Accounting and Related Economics*
5040	Business and Electronic Communication	4B	Business and Marketing Technology
5035	Business and Marketing Internet Applications	47	Business Education*
5090	Business and Marketing, Introduction to	40	Commerce*
5131	Business and Personal Finance	46	Data/Information Processing*
5047	Business Computer Mathematics	32	Distributive Education*
5044	Business Law	45	Secretarial Science*
5490	Business, Management, and Administration, work-based credit	41	Shorthand*
		42	Typing*
5008	Computer Applications 1	43	Accounting*
5009	Computer Applications 2	44	Accounting and Related Business*
5060	Computer Technology, Introduction to	48	Accounting and Related Economics*
5176	Desktop Publishing	47	Business Education*
5180	Digital Input Technologies	40	Commerce*
5177	Document Processing	46	Data/Information Processing*
5036	E-Commerce	32	Distributive Education*
		45	Secretarial Science*
		41	Shorthand*
		42	Typing*
5400	Entrepreneurship	4B	Business and Marketing Technology <i>or</i> Certification in any area <i>plus</i> any National Foundation for Teaching Entrepreneurship (NFTE) certification
5020	Integrated Business Applications 1	43	Accounting*
5021	Integrated Business Applications 2	44	Accounting and Related Business*
5032	International Business and Marketing	48	Accounting and Related Economics*
5100	Keyboarding	47	Business Education*
5030	Multimedia	40	Commerce*
5178	Professional and Leadership Development	46	Data/Information Processing*
5043	Technical Writing	32	Distributive Education*
5150	Virtual Enterprise 1	45	Secretarial Science*
5151	Virtual Enterprise 2	41	Shorthand*
5152	Virtual Enterprise 3	42	Typing*
5153	Virtual Enterprise 4		
5031	Web Page Design and Development 1	43	Accounting*
5033	Web Page Design and Development 2	44	Accounting and Related Business*
		48	Accounting and Related Economics*
		4B	Business and Marketing Technology
		47	Business Education*
		40	Commerce*
		46	Data/Information Processing*
		32	Distributive Education*

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**CAREER AND TECHNOLOGY EDUCATION**

<b>REQUIRED CREDENTIALS: ACCEPTABLE CERTIFICATION <i>and</i> ALL MANDATORY ATTENDANT TRAINING</b>			
<b>Activity Code</b>	<b>Course Title</b>	<b>Certif. Code</b>	<b>Acceptable Certification and Mandatory Attendant Training</b>
		45 41 42  (NC)	Secretarial Science* Shorthand* Typing* <i>or</i> Certification in any area <i>plus</i> any industry Web certification (e.g., CIW [Certified Internet Webmaster])
<b>Education and Training</b>			
5800 5801 5702 5700 5701 6390	Child Development 1 Child Development 2 Early Childhood Education, Introduction to Early Childhood Education 1 Early Childhood Education 2 Education and Training, work-based credit	35	Family and Consumer Science (Home Economics)
<b>Health Science</b>			
5530	Emergency Medical Services 1	AC  (NC)  (NC)	Health Science Technology <i>or</i> Certification in any area <i>plus</i> American Red Cross First Aid, Cardiopulmonary Resuscitation, and Automated External Defibrillator instructor certification <i>or</i> Certification in any area <i>plus</i> American Heart Association Basic Life Support and Heartsaver First Aid instructor certification
5531 5532	Emergency Medical Services 2 Emergency Medical Services 3	AC  (NC)	Health Science Technology <i>or</i> Certification in any area <i>plus</i> American Red Cross Emergency Response instructor certification
5533	Emergency Medical Services 4	(NC)	AC Health Science Technology <i>plus</i> DHEC paramedic certification
5560	Gerontology	(NC)	AC Health Science Technology <i>plus</i> S.C. Board of Nursing registered nurse (RN) licensure
5590	Health Science, work-based credit	AC  (NC)	Health Science Technology <i>or</i> Certification in any area <i>plus</i> either state athletic trainer certification or any American Red Cross instructor certification

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**CAREER AND TECHNOLOGY EDUCATION**

<b>REQUIRED CREDENTIALS: ACCEPTABLE CERTIFICATION <i>and</i> ALL MANDATORY ATTENDANT TRAINING</b>			
<b>Activity Code</b>	<b>Course Title</b>	<b>Certif. Code</b>	<b>Acceptable Certification and Mandatory Attendant Training</b>
5550 5551	Health Science Technology 1 Health Science Technology 2	AC	Health Science Technology
5554	Health Science, Introduction to	AC  (NC)	Health Science Technology <i>or</i> 12 Science 14 Biology 15 Chemistry <i>plus</i> training and/or mentoring approved by the Office of Career and Technology Education
5540	Medical Terminology	AC  (NC)	Health Science Technology <i>or</i> 12 Science <i>plus</i> training and/or mentoring approved by the Office of Career and Technology Education
5570	Pharmacy Technology	AC  (NC)	Health Science Technology <i>or</i> Certification in any area <i>plus</i> PassAssured pharmacy technician teacher training
5520	Practical Nursing, Phase 1	(NC)	AC Health Science Technology <i>plus</i> S.C. Board of Nursing registered nurse (RN) licensure
5555 5556 5591	Sports Medicine 1 Sports Medicine 2 Sports Medicine, work-based credit	AC  (NC)	Health Science Technology <i>or</i> Certification in any area <i>plus</i> state athletic trainer certification

<b>Hospitality and Tourism</b>			
5720 5721 5722	Culinary Arts 1 Culinary Arts 2 Culinary Arts, Introduction to	AQ  (NC)	Culinary Arts <i>or</i> 35 Family and Consumer Science (Home Economics) <i>plus</i> one of the following: completion of a basic commercial food preparation course approved by the State Department of Education's Office of Career

\* = No longer issued

**CAREER AND TECHNOLOGY EDUCATION**

<b>REQUIRED CREDENTIALS: ACCEPTABLE CERTIFICATION <i>and</i> ALL MANDATORY ATTENDANT TRAINING</b>			
<b>Activity Code</b>	<b>Course Title</b>	<b>Certif. Code</b>	<b>Acceptable Certification and Mandatory Attendant Training</b>
			and Technology Education or completion of at least one year of teaching Culinary Arts 1 full-time prior to July 1, 2005
5190 5476 5477 5478	Hospitality and Tourism, work-based credit Hospitality Management and Operations 1 Hospitality Management and Operations 2 Hospitality Management and Operations, Introduction to	43 44 48 4B 47 40 AQ 46 32 35  EC 45 41 42	Accounting* Accounting and Related Business* Accounting and Related Economics* Business and Marketing Technology Business Education* Commerce* Culinary Arts Data/Information Processing* Distributive Education* Family and Consumer Science (Home Economics) Hospitality and Tourism Secretarial Science* Shorthand* Typing*
<b>Human Services/Family and Consumer Sciences</b>			
6150 6151 6152 6153	Cosmetology 1 Cosmetology 2 Cosmetology 3 Cosmetology 4	AT	Cosmetology
5808 5809 5890 5820 5821 5804 5805 5812 5813 5757 5758 5824 5825 5830 5831	Family and Consumer Sciences 1 Family and Consumer Sciences 2 Family and Consumer Sciences, work-based credit Family Life Education 1 Family Life Education 2 Fashion, Fabric, and Design 1 Fashion, Fabric, and Design 2 Financial Fitness 1 Financial Fitness 2 Food Science and Dietetics 1 Food Science and Dietetics 2 Foods and Nutrition 1 Foods and Nutrition 2 Housing and Interiors 1 Housing and Interiors 2	35	Family and Consumer Science (Home Economics)
5790	Human Services, work-based credit	EA AT AQ 85 35 AY	Child Care Services Cosmetology Culinary Arts Early Childhood Family and Consumer Science (Home Economics) Industrial Sewing*
5834 5835	Human Development: Responsible Life Choices 1 Human Development: Responsible Life Choices 2	35	Family and Consumer Science (Home Economics)

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**CAREER AND TECHNOLOGY EDUCATION**

<b>REQUIRED CREDENTIALS: ACCEPTABLE CERTIFICATION <i>and</i> ALL MANDATORY ATTENDANT TRAINING</b>			
<b>Activity Code</b>	<b>Course Title</b>	<b>Certif. Code</b>	<b>Acceptable Certification and Mandatory Attendant Training</b>
6154 6155 6156 6157	Nail Technology 1 Nail Technology 2 Nail Technology 3 Nail Technology 4	AT EG	Cosmetology Nail Technology
5816 5817 5759	Parenting Education 1 Parenting Education 2 Sports Nutrition	35	Family and Consumer Science (Home Economics)
<b>Information Technology</b>			
5350	Animated Computer Production	43 44 48 4B 47 40 46 32 45 41 42  (NC)	Accounting* Accounting and Related Business* Accounting and Related Economics* Business and Marketing Technology Business Education* Commerce* Data/Information Processing* Distributive Education* Secretarial Science* Shorthand* Typing* <i>or</i> Certification in any area <i>plus</i> any industry Web certification (e.g., CIW [Certified Internet Webmaster])
5050 5051 5052 5053	Computer Programming 1 Computer Programming 2 Computer Programming 3 Computer Programming 4	43 44 48 47 40 46 ED 10 45 41 42  (NC)	Accounting* Accounting and Related Business* Accounting and Related Economics* Business Education* Commerce* Data/Information Processing* Information Technology—Programming Mathematics Secretarial Science* Shorthand* Typing* <i>or</i> Certification in any area <i>plus</i> endorsement in computer programming
5320 5321 5322 5323	Computer Service Technology 1 Computer Service Technology 2 Computer Service Technology 3 Computer Service Technology 4	AW  (NC)	Electronics <i>or</i> Certification in any area <i>plus</i> content-specific certification under R 43-63
5340 5341	Digital Imaging 1 Digital Imaging 2	43 44 48 4B	Accounting* Accounting and Related Business* Accounting and Related Economics* Business and Marketing Technology

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**CAREER AND TECHNOLOGY EDUCATION**

<b>REQUIRED CREDENTIALS: ACCEPTABLE CERTIFICATION <i>and</i> ALL MANDATORY ATTENDANT TRAINING</b>			
<b>Activity Code</b>	<b>Course Title</b>	<b>Certif. Code</b>	<b>Acceptable Certification and Mandatory Attendant Training</b>
		47 40 46 32 45 41 42  (NC)	Business Education* Commerce* Data/Information Processing* Distributive Education* Secretarial Science* Shorthand* Typing* <i>or</i> Certification in any area <i>plus</i> any industry Web certification (e.g., CIW [Certified Internet Webmaster])
5330	Home Systems Technology	AV AW EE	Electricity Electronics Information Technology—Networking
5270	Information Technology Foundations	43 44 48 4B 47 40 46 32 AW EE ED 45 41 42	Accounting* Accounting and Related Business* Accounting and Related Economics* Business and Marketing Technology Business Education* Commerce* Data/Information Processing* Distributive Education* Electronics Information Technology—Networking Information Technology—Programming Secretarial Science* Shorthand* Typing*

\* = No longer issued

**CAREER AND TECHNOLOGY EDUCATION**

<b>REQUIRED CREDENTIALS: ACCEPTABLE CERTIFICATION <i>and</i> ALL MANDATORY ATTENDANT TRAINING</b>			
<b>Activity Code</b>	<b>Course Title</b>	<b>Certif. Code</b>	<b>Acceptable Certification and Mandatory Attendant Training</b>
5390	Information Technology, work-based credit	43 44 48 4B 47 40 46 AW EE ED 10 45 41 42  (NC)  (NC)	Accounting* Accounting and Related Business* Accounting and Related Economics* Business and Marketing Technology Business Education* Commerce* Data/Information Processing* Electronics Information Technology—Networking Information Technology—Programming Mathematics Secretarial Science* Shorthand* Typing* <i>or</i> Certification in any area <i>plus</i> content-specific certification under R 43-63 <i>or</i> Certification in any area <i>plus</i> endorsement in computer programming
5310 5311 5312 5313	Networking 1 Networking 2 Networking 3 Networking 4	EE  (NC)	Information Technology—Networking <i>or</i> Certification in any area <i>plus</i> content-specific certification under R 43-63
5326 5325 5324	Oracle Development Programming Language/Sequential Query Language Oracle Java Oracle Management/Sequential Query Language	(NC)	Certification in any area <i>plus</i> training in Oracle
<b>Law, Public Safety, and Security</b>			
6512 6513 6510 6511 6505 6590	Emergency and Fire Management Services 1 Emergency and Fire Management Services 2 Law Enforcement Services 1 Law Enforcement Services 2 Law, Public Safety, and Security, Introduction to Law, Public Safety, and Security, work-based credit	DA DB DD	Criminal Justice Protective Services Fire Services

\* = No longer issued

**CAREER AND TECHNOLOGY EDUCATION**

<b>REQUIRED CREDENTIALS: ACCEPTABLE CERTIFICATION <i>and</i> ALL MANDATORY ATTENDANT TRAINING</b>			
<b>Activity Code</b>	<b>Course Title</b>	<b>Certif. Code</b>	<b>Acceptable Certification and Mandatory Attendant Training</b>
<b>Manufacturing</b>			
6110 6111 6133 6134 6135 6136 6220 6221	Communication Electronics 1 Communication Electronics 2 Core Electronics 1 Core Electronics 2 Core Electronics 3 Core Electronics 4 Industrial Electronics 1 Industrial Electronics 2	AW	Electronics
6045	Industrial Systems Technology, Introduction to	AW CB 29 BA BE BK	Electronics Industrial Maintenance Mechanics Industrial Technology Education Machine Tool Technology Sheet Metal Welding
6230 6231 6232 6233	Machine Technology 1 Machine Technology 2 Machine Technology 3 Machine Technology 4	BA	Machine Tool Technology
6490	Manufacturing, work-based credit	AW BA CB BE BK	Electronics Machine Tool Technology Industrial Maintenance Mechanics Sheet Metal Welding
6210 6211 6212 6213	Mechatronics Integrated Technologies 1 Mechatronics Integrated Technologies 2 Mechatronics Integrated Technologies 3 Mechatronics Integrated Technologies 4	CB	Industrial Maintenance Mechanics
6260 6261 6262 6263	Metal Fabrication 1 Metal Fabrication 2 Metal Fabrication 3 Metal Fabrication 4	BE BK	Sheet Metal Welding
6340 6341 6342 6343	Welding Technology 1 Welding Technology 2 Welding Technology 3 Welding Technology 4	BK	Welding

\* = No longer issued

## CAREER AND TECHNOLOGY EDUCATION

REQUIRED CREDENTIALS: ACCEPTABLE CERTIFICATION <i>and</i> ALL MANDATORY ATTENDANT TRAINING			
Activity Code	Course Title	Certif. Code	Acceptable Certification and Mandatory Attendant Training
<b>Marketing, Sales, and Service</b>			
5470	Advertising	43 44 48 4B 47 40 46 32 45 41 42	Accounting* Accounting and Related Business* Accounting and Related Economics* Business and Marketing Technology Business Education* Commerce* Data/Information Processing* Distributive Education* Secretarial Science* Shorthand* Typing*
5710 5711 5712	Fashion Design and Apparel Construction 1 Fashion Design and Apparel Construction 2 Fashion Design and Apparel Construction, Introduction to	EB 35 AY	Clothing Design and Construction Services Family and Consumer Science (Home Economics) Industrial Sewing*
5410 5440	Fashion Merchandising Global Markets	43 44 48 4B 47 40 46 32 45 41 42	Accounting* Accounting and Related Business* Accounting and Related Economics* Business and Marketing Technology Business Education* Commerce* Data/Information Processing* Distributive Education* Secretarial Science* Shorthand* Typing*
5455 5456	Interior Design 1 Interior Design 2	35 4B  (NC)	Family and Consumer Science (Home Economics) Business and Marketing Technology <i>or</i> Associate's degree in interior design <i>plus</i> three or more years of work-based experience
5421 5431	Marketing Marketing Management	43 44 48 4B 47 40 46 32 45 41 42	Accounting* Accounting and Related Business* Accounting and Related Economics* Business and Marketing Technology Business Education* Commerce* Data/Information Processing* Distributive Education* Secretarial Science* Shorthand* Typing*
5091	Marketing, Sales, and Services, work-based credit	43 44	Accounting* Accounting and Related Business*

\* = No longer issued

**CAREER AND TECHNOLOGY EDUCATION**

<b>REQUIRED CREDENTIALS: ACCEPTABLE CERTIFICATION <i>and</i> ALL MANDATORY ATTENDANT TRAINING</b>			
<b>Activity Code</b>	<b>Course Title</b>	<b>Certif. Code</b>	<b>Acceptable Certification and Mandatory Attendant Training</b>
		48 AY 4B 47 EB 40 46 32 35  45 41 42	Accounting and Related Economics* Industrial Sewing* Business and Marketing Technology Business Education* Clothing Design and Construction Services Commerce* Data/Information Processing* Distributive Education* Family and Consumer Science (Home Economics) Secretarial Science* Shorthand* Typing*
5425	Sports and Entertainment Marketing	43 44 48 4B 47 40 46 32 45 41 42	Accounting* Accounting and Related Business* Accounting and Related Economics* Business and Marketing Technology Business Education* Commerce* Data/Information Processing* Distributive Education* Secretarial Science* Shorthand* Typing*
<b>Science, Technology, Engineering, and Mathematics</b>			
6056 6057 6058 6053 6052 6054 6051	Aerospace Technology Bio-Technology Civil Engineering and Architecture Computer Integrated Manufacturing, Level 4 Digital Electronics, Level 3 Engineering Design and Development (Capstone), Level 5 Engineering Design, Introduction to, Level 1	(NC)	Baccalaureate and certification in any area <i>plus</i> Project Lead the Way certification
6040 6041	Industrial Technology Education (Exploratory) 1 Industrial Technology Education (Exploratory) 2	29	Industrial Technology Education
6090	Pre-Engineering/Industrial Technology Education, work-based credit	(NC)	Baccalaureate and certification in any area <i>plus</i> Project Lead the Way certification
6095	Pre-Engineering Technology, Introduction to	(NC)	Baccalaureate and certification in any area upon approval by the State Department of Education's Office of Career and Technology Education <i>plus</i> Project Lead the Way certification
6050 6059	Principles of Engineering, Level 2 Telecommunications Engineering	(NC)	Baccalaureate and certification in any area <i>plus</i> Project Lead the Way certification

\* = No longer issued

**CAREER AND TECHNOLOGY EDUCATION**

<b>REQUIRED CREDENTIALS: ACCEPTABLE CERTIFICATION <i>and</i> ALL MANDATORY ATTENDANT TRAINING</b>			
<b>Activity Code</b>	<b>Course Title</b>	<b>Certif. Code</b>	<b>Acceptable Certification and Mandatory Attendant Training</b>
<b>Transportation, Distribution, and Logistics</b>			
6020 6021 6022 6023	Automotive Collision Repair Technology 1 Automotive Collision Repair Technology 2 Automotive Collision Repair Technology 3 Automotive Collision Repair Technology 4	AJ	Automotive Collision Repair
6030 6031 6032 6033	Automotive Technology 1 Automotive Technology 2 Automotive Technology 3 Automotive Technology 4	AK	Automotive Technology
6310 6311 6312 6313	Diesel Engine Mechanics 1 Diesel Engine Mechanics 2 Diesel Engine Mechanics 3 Diesel Engine Mechanics 4	AK CA	Automotive Technology Diesel Mechanics
6300 6301 6302 6303	Small Engine Technology 1 Small Engine Technology 2 Small Engine Technology 3 Small Engine Technology 4	AA AK BF	Agricultural Mechanics Automotive Technology Small Engine Repair
6015	Transportation, Distribution, and Logistics, Introduction to	AJ AK CA 29 BF	Automotive Collision Repair Automotive Technology Diesel Mechanics Industrial Technology Education Small Engine Repair
6790	Transportation, Distribution, and Logistics, work-based credit	AA 31 AJ AK CA BF	Agricultural Mechanics Agriculture Mechanics Automotive Collision Repair Automotive Technology Diesel Mechanics Small Engine Repair

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